Hit List

First Hit

Your wildcard search against 10000 terms has yielded the results below.

Your result set for the last L# is incomplete.

The probable cause is use of unlimited truncation. Revise your search strategy to use limited truncation.

Clear | Generate Collection | Print | Fwd Refs | Bkwd Refs | Generate OACS

Search Results - Record(s) 1 through 9 of 9 returned.

☐ 1. Document ID: US 20050177552 A1

L4: Entry 1 of 9 File: PGPB Aug 11, 2005

PGPUB-DOCUMENT-NUMBER: 20050177552
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20050177552 A1

TITLE: Full match (FM) search algorithm implementation for a network processor

PUBLICATION-DATE: August 11, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Bass, Brian Mitchell	Apex	NC	US
Calvignac, Jean Louis	Cary	NC	US
Heddes, Marco C.	Raleigh	NC	US
Maragkos, Antonios	Raleigh	NC	US
Patel, Piyush Chunilal	Cary	NC	US
Siegel, Michael Steven	Raleigh	NC	US
Verplanken, Fabrice Jean	La Gaude		FR

US-CL-CURRENT: 707/3

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw Desc | Image

☐ 2. Document ID: US 20050076010 A1

L4: Entry 2 of 9 File: PGPB Apr 7, 2005

PGPUB-DOCUMENT-NUMBER: 20050076010
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20050076010 A1

TITLE: Full match (FM) search algorithm implementation for a network processor

PUBLICATION-DATE: April 7, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Bass, Brian Mitchell	Apex	NC	US
Calvignac, Jean Louis	Cary	NC	US
Heddes, Marco C.	Raleigh	NC	US
Maragkos, Antonios	Raleigh	NC	US
Patel, Piyush Chunilal	Cary	NC	US
Siegel, Michael Steven	Raleigh	NC	US
Verplanken, Fabrice Jean	La Gaude		FR

US-CL-CURRENT: 707/3

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw Desc | Image

3. Document ID: US 20050060332 A1

L4: Entry 3 of 9 File: PGPB Mar 17, 2005

PGPUB-DOCUMENT-NUMBER: 20050060332
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20050060332 A1

TITLE: Methods and systems for model matching

PUBLICATION-DATE: March 17, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Bernstein, Philip A.	Bellevue	WA	US
Madhavan, Jayant	Seattle	WA	US

US-CL-CURRENT: 707/100

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw Desc | Image

4. Document ID: US 20050027681 A1

L4: Entry 4 of 9 File: PGPB Feb 3, 2005

PGPUB-DOCUMENT-NUMBER: 20050027681
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20050027681 A1

TITLE: Methods and systems for model matching

PUBLICATION-DATE: February 3, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Bernstein, Philip A.	Bellevue	WA	US

Madhavan, Jayant	Seattle	WA	US

US-CL-CURRENT: 707/1

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw Desc | Image

5. Document ID: US 20040236720 A1

L4: Entry 5 of 9 File: PGPB Nov 25, 2004

PGPUB-DOCUMENT-NUMBER: 20040236720
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20040236720 A1

TITLE: Longest prefix match lookup using hash function

PUBLICATION-DATE: November 25, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Basso, Claude	Raleigh	NC	US
Calvignac, Jean L.	Raleigh	NC	US
Davis, Gordon T.	Chapel Hill	NC	US
Patel, Piyush C.	Cary	NC	US

US-CL-CURRENT: 707/1

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw Desc | Image

6. Document ID: US 20040103083 A1

L4: Entry 6 of 9 File: PGPB May 27, 2004

PGPUB-DOCUMENT-NUMBER: 20040103083
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20040103083 A1

TITLE: Method and system for optimizing leaf comparisons from a tree search

PUBLICATION-DATE: May 27, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Gaur, Santosh Prasad	Raleigh	NC	US
Hall, William Eric	Clinton	CT	US

US-CL-CURRENT: 707/3

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw Desc | Image

7. Document ID: US 20030120651 A1

L4: Entry 7 of 9 File: PGPB Jun 26, 2003

PGPUB-DOCUMENT-NUMBER: 20030120651
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030120651 A1

TITLE: Methods and systems for model matching

PUBLICATION-DATE: June 26, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Bernstein, Philip A.	Bellevue	WA	US
Madhavan, Jayant	Seattle	WA	US

US-CL-CURRENT: 707/6

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw Desc | Image

8. Document ID: US 6826568 B2

L4: Entry 8 of 9 File: USPT Nov 30, 2004

US-PAT-NO: 6826568
DOCUMENT-IDENTIFIER: US 6826568 B2

TITLE: Methods and system for model matching

DATE-ISSUED: November 30, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bernstein; Philip A.	Bellevue	WA		
Madhavan; Jayant	Seattle	WA		

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Microsoft Corporation	Redmond	WA			02

APPL-NO: 10/028912 [PALM]
DATE FILED: December 20, 2001

INT-CL-ISSUED: [07] G06 F 17/30, G06 F 17/00

US-CL-ISSUED: 707/6; 707/101
US-CL-CURRENT: 707/6; 707/101

FIELD-OF-CLASSIFICATION-SEARCH: 707/1, 707/6, 707/100, 707/101, 707/104.1, 707/102, 704/1, 706/20

See application file for complete search history.

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
6397166	May 2002	Leung et al.	702/179

OTHER PUBLICATIONS

Andric, M. et al., "Extracting The Data Model from an Existing Database Schema," Proceedings of the 15.sup.th IASTED Int'l Conf. Applied Informatics, Innsbruck, Austria, Feb. 18-20, 1997, 177-180.
Bergamaschi, S. et al., "Semantic Integration of Semistructured and Structured Data Sources," SIGMOD Record, 1999, 28(1), 54-59.
Bernstein, P. et al., "A Vision for Management of Complex Models," SIGMOD Record, 2000, 29(4), 55-63.
Castano, S. et al., "A Schema Analysis and Reconciliation Tool Environment for Heterogeneous Databases," Proceedings: IDEAS'99 International Database Engineering and Applications Symposium, Montreal, Canada, Aug. 2-4, 1999.
Chun, H.W. et al., "A Massively Parallel Model of Schema Selection," IEEE First International Conference on Neural Networks, San Diego, California, Jun. 21-24, 1987, II-379-386.
Clifton, C. et al., "Experience with a Combined Approach to Attribute-Matching Across Heterogeneous Databases," Data Mining and Reverse Engineering: Searching for Semantics, Leysin, Switzerland, Oct. 7-10, 1997, Ch. 18, 428-451.
Doan, A. et al., "Reconciling Schemas of Disparate Data Sources: A Machine-Learning Approach," Proceedings of the 2001 ACM SIGMOD, International Conference on Management of Data, Santa Barbara, California, May 21-24, 2001, 509-520.
Etzion, O., "Active Interdatabase Dependencies," Information Sciences, 1993, 75(N1-2), 133-163 (Corporate source reprint provided, pp. 1-28).
Li, W-S et al., "SEMINT: A tool for identifying attribute correspondences in heterogeneous databases using neural networks," Data & Knowledge Eng., 2000, 33, 49-84.
Li, L. et al., "Study of Knowledge Representation Based on Constrained Object," J. of University of Electr. Sci. Technol. of China, 1998, 27(4), 411-415 (English language abstract provided).
Madhavan, J. et al., "Generic Schema Matching with Cupid," Proceedings of the 27.sup.th Very Large Databases Conference, Roma, Italy, 2001, 10 pages.
Miller, R.J. et al., "Schema Mapping as Query Discovery," Proceeding of the 26.sup.th Very Large Databases Conference, Cairo, Egypt, 2000, 77-88.
Milo, T. et al., "Using Schema Matching to Simplify Heterogeneous Data Translation," International Conference on Very Large Databases, 1998, 122-133.
Mitra, P. et al., "Semi-automatic Integration of Knowledge Sources," Fusion, 1999, 8 pages.
Palopoli, L. et al., "The System DIKE: towards the semi-automatic synthesis of Cooperative Information Systems and Data Warehouses," ADBIS, 2000, 108-117.
Rahm, E. et al., "On Matching Schemas Automatically," On Matching Schemas Automatically, 2001, Report Nr.1, 1-27.
Raman, R. et al., "Matchmaking: Distributed Resource Management for High Throughput Computing," Proceedings: The Seventh International Symposium on High Performance Distributed Computing, Chicago, Illinois, Jul. 28-31, 1998, 140-146.
Wald, J.A. et al., "Explaining Ambiguity in a Formal Query Language," ACM Trans. Database System, 1990, 15(2), 125-161.
Wang, Q.Y. et al., "Approximate Graph Schema Extraction for Semi-structured Data," Advances in Database Technology--EDBT 2000: 7.sup.th International Conference on Extending Database Technology, Konstanz, Germany, Mar. 27-31, 2000, 302-316.
Castano, S. et al., "Global Viewing of Heterogeneous Data Sources," IEEE Transactions on Knowledge and Data Engineering, 2001, 13(2), 277-297 (Corporate source reprint provided, pp. 1-

30).
Palopoli, L. et al., "A unified graph-based framework for deriving nominal interscheme properties, type conflicts and object cluster similarities," IEEE Computer Society Press, 1999, 12 pages.

ART-UNIT: 2171

PRIMARY-EXAMINER: Le; Uyen

ATTY-AGENT-FIRM: Woodcock Washburn LLP

ABSTRACT:

Systems and methods for automatically and generically matching models are provided, such as may be provided in a matching application or matching component, or provided in a general purpose system for managing models. The methods are generic since the methods apply to hierarchical data sets outside of any particular data model or application. Similarity coefficients are calculated for, and mappings are discovered between, schema elements based on their names, data types, constraints, and schema structure, using a broad set of techniques. Some of these techniques include the integrated use of linguistic and structural matching, context dependent matching of shared types, and a bias toward subtree, or leaf, structure where much of the schema content resides.

47 Claims, 16 Drawing figures

9. Document ID: US 6675163 B1

L4: Entry 9 of 9 File: USPT Jan 6, 2004

US-PAT-NO: 6675163
DOCUMENT-IDENTIFIER: US 6675163 B1

TITLE: Full match (FM) search algorithm implementation for a network processor

DATE-ISSUED: January 6, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bass; Brian Mitchell	Apex	NC		
Calvignac; Jean Louis	Cary	NC		
Heddes; Marco C.	Raleigh	NC		
Maragkos; Antonios	Raleigh	NC		
Patel; Piyush Chunilal	Cary	NC		
Siegel; Michael Steven	Raleigh	NC		
Verplanken; Fabrice Jean	La Gaude			FR

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
International Business Machines Corporation	Armonk	NY			02

APPL-NO: 09/543531 [PALM]
DATE FILED: April 6, 2000

PARENT-CASE:
CROSS-REFERENCE TO RELATED APPLICATIONS This application is related to, and contain common disclosures with, and commonly assigned patent applications "Network Processor Processing Complex and Methods", Ser. No. 09/384,691, filed Aug. 27, 1999; "Longest Prefix Match (LPM) Algorithm Implementation for a Network Processor", Ser. No. 09/544,992 filed Apr. 6, 2000; and "Software Management Tree Implementation for a Network Processor", Ser. No. 09/545,100 filed Apr. 6, 2000. Each patent application is hereby incorporated by reference into this description as fully as if here represented in full.

INT-CL-ISSUED: [07] G06 F 17/30

US-CL-ISSUED: 707/6; 707/3, 707/5, 707/7, 707/10
US-CL-CURRENT: 707/6; 707/10, 707/3, 707/5, 707/7

FIELD-OF-CLASSIFICATION-SEARCH: 707/1-10, 370/389, 370/351, 370/400, 370/410, 370/412
See application file for complete search history.

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
5121495	June 1992	Nemes	
5202985	April 1993	Goyal	707/4
5418947	May 1995	Hsu et al.	
5594899	January 1997	Knudsen et al.	
5787430	July 1998	Doeringer et al.	707/100
5819291	October 1998	Haimowitz et al.	707/201
5857196	January 1999	Angle et al.	707/102
5893086	April 1999	Schmuck et al.	707/1
5918225	June 1999	White et al.	707/3
5946679	August 1999	Ahuja et al.	707/3
6012061	January 2000	Sharma	707/100
6047286	April 2000	Kreilein et al.	707/4
6266706	July 2001	Brodnik et al.	709/242
6404752	June 2002	Allen, Jr. et al.	370/335
6460120	October 2002	Bass et al.	711/148

FOREIGN PATENT DOCUMENTS

FOREIGN-PAT-NO	PUBN-DATE	COUNTRY	CLASS
0419889	March 1999	EP	
2350534	November 2000	GB	
10162013	June 1998	JP	
357071	December 2001	JP	
96/00945	January 1996	WO	

01/16779 March 2001 WO

OTHER PUBLICATIONS

"Routing on Longest-Matching prefixes"--Willibald Doeringer, Gunter Karjoth and Mehdi Nassehi--1063-6692/96 IEEE (pp. 86 97).*
"Scable High Speed IP Routing Lookups"--Marcel Waldvogel, George Varghese, Jon Tuner and bernhard Plattner--1997 ACM 0-89791-905-X/97 (pp. 25-36).*
"Small Forwarding tables for fast Routing Lookups"--Mikael Degermark, Andrej Brodnik, Svante Carlsson and Stephen Pink--1997 ACM 0-89791-905X/97 (pp. 3-14).

ART-UNIT: 2172

PRIMARY-EXAMINER: Vu; Kim

ASSISTANT-EXAMINER: Ly; Anh

ATTY-AGENT-FIRM: Cockburn; Joscelyn G.

ABSTRACT:

Novel data structures, methods and apparatus for finding a full match between a search pattern and a pattern stored in a leaf of the search tree. A key is input, a hash function is performed on the key, a direct table (DT) is accessed, and a tree is walked through pattern search control blocks (PSCBs) until reaching a leaf. The search mechanism uses a set of data structures that can be located in a few registers and regular memory, and then used to build a Patricia tree structure that can be manipulated by a relatively simple hardware macro. Both keys and corresponding information needed for retrieval are stored in the Patricia tree structure. The hash function provides an n.fwdarw.n mapping of the bits of the key to the bits of the hash key. The data structure that is used to store the hash key and the related information in the tree is called a leaf. Each leaf corresponds to a single key that matches exactly with the input key. The leaf contains the key as well as additional information. The length of the leaf is programmable, as is the length of the key. The leaf is stored in random access memory and is implemented as a single memory entry. If the key is located in the direct table then it is called a direct leaf.

36 Claims, 14 Drawing figures

Term	Documents
LEAF	303918
LEAFS	2970
LEAVES	516512
COMPAR$	0
COMPAR	16728
COMPARA	17975

COMPARAA	12
COMPARAABLE	6
COMPARAABOIIT	1
COMPARAACTU	1
COMPARAAEE	1
(L3 AND (LEAF NEAR COMPAR$)).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD.	9

There are more results than shown above. Click here to view the entire set.

Display Format: - Change Format

Previous Page Next Page Go to Doc#

Freeform Search

Database: US Pre-Grant Publication Full-Text Database
US Patents Full-Text Database
US OCR Full-Text Database
EPO Abstracts Database
JPO Abstracts Database
Derwent World Patents Index
IBM Technical Disclosure Bulletins

Term: L3 and (leaf near compar$)

Display: 100 **Documents in Display Format:** - **Starting with Number** 1

Generate: Hit List Hit Count Side by Side Image

Search Clear Interrupt

Search History

DATE: Thursday, June 22, 2006 Printable Copy Create Case

Set Name side by side	Query	Hit Count	Set Name result set
DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR			
L4	L3 and (leaf near compar$)	9	L4
L3	L2 and (tree near structure)	390	L3
L2	L1 and (leaf near tree)	648	L2
L1	707/$.ccls.	35591	L1

END OF SEARCH HISTORY